MTI and ITS Fall Workshop 2013

Coherent Hybrid Structures on the Mesoscale

Evanston, IL, USA,
October 13–18, 2013




The goal of the workshop is to bring together scientists from different communities actively working in the hybrid and nano structured materials areas, where quantum coherence plays a central role. We aim at interdisciplinary discussions and an active dialogue between experiment, computational approaches, and theory.

Organizers

- Andreas Glatz
- Alexander Golubov
- Boldizsar Janko
- Valerii Vinokur

Topics

- Josephson arrays and related structures
- Superconductor-insulator transitions
- Unconventional pairing in SF structures
- Proximity and Josephson effects
- Graphene and topological insulators
- Quantum phase slips
- Crossed Andreev reflection
- Non-conventional insulators
- Quantum optics and information processing
- Quantum coherence

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